Atty Dkt. No.: ABGX001CON3

USSN: 09/718,717

I. AMENDMENTS

IN THE CLAIMS

Please enter the amendments to claims 2 and 11, as shown below.

- 1. (Canceled)
- 2. (Currently Amended) A method for obtaining a mammalian cell comprising a genomic deletion in a range of from about 50 kb to about 3000 kb, which method comprises the steps of:
- a) modifying the genome of mammalian cells comprising a wild-type target locus by introducing a construct comprising two regions of sequences that are homologous to the 5' and 3' flanking sequences of said wild-type target locus, wherein said homologous sequences are at least about 500 base pairs;
- b) identifying cells containing said deletion by selecting cells containing a selectable marker present in said construct; and
 - c) recovering mammalian cell comprising said deletion.
- 3. (Previously Amended) The method of claim 2 wherein said target locus is an HPRT locus.
- 4. (Previously Amended) The method of claim 2 wherein said target locus is an MHC Class I locus.
- 5. (Previously Amended) The method of claim 2 wherein said target locus is an MHC Class II locus.
- 6. (Previously Amended) The method of claim 2 wherein said target locus is an immunoglobulin locus.

Atty Dkt. No.: ABGX001CON3

USSN: 09/718,717

- 7. (Previously Amended) The method of claim 2 wherein said mammalian cell is selected from the group consisting of the islets of Langerhans, adrenal medulla cells, osteoblasts, osteoclasts, epithelial cells, endothelial cells, B lymphocytes, T lymphocytes, neurons, glial cells, ganglion cells, retinal cells, keratinocytes, embryonic stem (ES) cells, liver cells, bone marrow cells, and muscle cells.
 - 8. (Withdrawn)

9. -10. (Canceled)

11. (Currently Amended) A method for preparing a mammalian cell deficient in <a href="https://hypexanthine.org/hypexanthine.o

wherein said DNA fragment comprises a first sequence immediately downstream of the second exon of the hprt locus congruent with the wild-type sequence 55 kb upstream of said first sequence in the native DNA containing wild-type HPRT locus, wherein a mammalian cell deficient in HPRT is obtained.

- 12. (Original) The method of claim 11 which further comprises the steps of
- a) identifying cells containing said deletion by selecting cells containing a selectable marker present in said construct; and
- b) recovering cells containing said deletion.

13.-15. (Canceled)